AMENDMENTS

In The Claims:

1. (Currently Amended) A cervical prosthesis ~~consisting of~~ comprising a lower cover plate configured to be connected to a lower vertebral body, an upper cover plate configured to be connected to an upper vertebral body and a prosthesis core forming a connection between the upper cover plate and the lower cover plate,

wherein the upper cover plate has a top face which is conical at least in sagittal section.

2. (Previously Presented) The prosthesis as claimed in claim 1, wherein the top surface of the upper cover plate has a bulge which, in a sagittal section, lies between a circle contour with a radius of curvature of not more than 25 mm and an acute-angled contour with an apex angle of not more than 90°.

3. (Previously Presented) The prosthesis as claimed in claim 1, wherein the top surface of the upper cover plate is formed by a surface of rotation.

4. (Previously Presented) The prosthesis as claimed in claim 1, wherein the top surface of the upper cover plate is elongate in a lateral direction.

5. (Previously Presented) The prosthesis as claimed in claim 4, wherein the top surface of the upper cover plate comprises three surface portions, two outer portions of which are opposite surfaces of half rotation, a portion lying between the outer portions consisting of parallel generatrices which connect mutually facing limits of the surfaces of half rotation to one another.

6-11. (Canceled)

12. (Previously Presented) The prosthesis as claimed in claim 1, wherein the prosthesis core forms a hinged connection between the upper cover plate and the lower cover plate.

13-15. (Canceled)

16. (Currently Amended) A cervical prosthesis ~~consisting of~~ comprising a lower cover plate configured to be connected to a lower vertebral body, an upper cover plate configured to be connected to an upper vertebral body and a prosthesis core forming a connection between the

upper cover plate and the lower cover plate,

wherein the upper cover plate has a top face which is convex at least in sagittal section and has edge tangents lying opposite each other in sagittal section that enclose an angle with respect to one another that is not greater than 90°.

17. (Previously Presented) The prosthesis as claimed in claim 16, wherein the top surface of the upper cover plate is formed by a surface of rotation.

18. (Previously Presented) The prosthesis as claimed in claim 16, wherein the top surface of the upper cover plate is elongate in a lateral direction.

19. (Previously Presented) The prosthesis as claimed in claim 18, wherein the top surface of the upper cover plate comprises three surface portions, two outer portions of which are opposite surfaces of half rotation, a portion lying between the outer portions consisting of parallel generatrices which connect mutually facing limits of the surfaces of half rotation to one another.

20. (Previously Presented) The prosthesis as claimed in claim 16, wherein the prosthesis core forms a hinged connection between the upper cover plate and the lower cover plate.